



PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

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	(PCT Article 36 ar	nd Rule 70)		
Applicant's or agent's file reference 2002DE435 FOR FURTHER ACT		N	See Form PCT/IPEA/416	
International application No. PCT/EP2003/011697	İnternational filing date (da 22 October 2003 (22		Priority date (day/month/year) 30 October 2002 (30.10.2002)	
International Patent Classification (IPC) or A01N 25/30	national classification and IPC			
Applicant	CLARIANT GM	BH et al.		
This report is the international prel Authority under Article 35 and tra	liminary examination report, e nsmitted to the applicant acco	stablished by thi	is International Preliminary Examining 36.	
sheets of the de and/or sheets of Administrative sheets which so beyond the dis Supplemental to the Internative and readable form only, a Administrative Instructive Instruct	y ANNEXES, comprising: Ind to the International Bureau escription, claims and/or drawing ontaining rectifications authors Instructions). upersede earlier sheets, but windlesure in the international approximational Bureau only) a tota	ings which have ized by this Author polication as filed of (indicate g a sequence listal Box Relating		
4. This report contains indications relating to the following items: Box No. I Basis of the report Box No. II Priority Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. IV Lack of unity of invention Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicabilicitations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application				
Date of submission of the demand		Date of complet	ion of this report	
19 May 2004 (19.			26 July 2004 (26.07.2004)	
Name and mailing address of the IPEA	VEP	Authorized offi	(()	
1	1	Telephone No.		



International application No.

PCT/EP2003/011697

Box No	. 1	Basis of the report					
1. With other	regard wise in	to the language, this report is based on the international application in the landicated under this item.	guage in which it was filed, unless				
	This which	report is based on translations from the original language into the following the is language of a translation furnished for the purpose of:	g language,				
	international search (under Rules 12.3 and 23.1(b))						
		publication of the international application (under Rule 12.4)					
		international preliminary examination (under Rules 55.2 and/or 55.3)					
jurni	snea to tre not	if to the elements of the international application, this report is based on the receiving Office in response to an invitation under Article 14 are referred annexed to this report): International application as originally filed/furnished	(replacement sheets which have been ed to in this report as "originally filed"				
		escription:					
	pages	•	, as originally filed/furnished				
1	pages	* received by this Authority on	, as originally measurement				
	pages						
\boxtimes	the cl	aims:					
	pages	1-15	, as originally filed/furnished				
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		ages* received by this Authority on					
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	pages	* received by this Authority on	,				
	pages	received by this Authority on					
	a sequ	ence listing and/or any related table(s) – see Supplemental Box Relating to Se	quence Listing.				
3. 🔲	The a	mendments have resulted in the cancellation of:					
		the description, pages					
	Ħ	the claims, Nos.					
	H						
	片	the drawings, sheets/figs					
	H	the sequence listing (specify):					
		any table(s) related to sequence listing (specify):					
4.	made	report has been established as if (some of) the amendments annexed to this r since they have been considered to go beyond the disclosure as filed, as 70.2(c)). the description, pages	eport and listed below had not been indicated in the Supplemental Box				
* If iten	1 4 app	olies, some or all of those sheets may be marked "superseded."					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

Inter lal application No.
PCT/EP 03/11697

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	1-15	YES
		Claims		NO
	Inventive step (IS)	Claims	1-15	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-15	YES
		Claims		NO

2. Citations and explanations

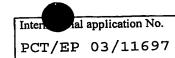
None of the prior art documents cited in the international search report (ISR) discloses a composition containing one or more pesticides and a polyamine compound of formula (I).

The advantageous properties (page 6, lines 5-16 and page 12, first paragraph) of the alkoxylated (ethylene/propylene)-N-alkyl-polyamines of formula (I) as a surfactant for water-soluble pesticides, in particular glyphosate, also cannot be found in the search report citations:

DE 40 19 362 A1 (D1) and WO 02/43492 A1 (D4) disclose alkoxylated propylene-N-alkyldiamines. In contrast thereto, the polyamines used according to the invention have at least four amino groups and two long-chained alkyl groups at the terminal N.

JP 60 075 324 A (D2) discloses alkoxylated polyethylene polyamines without long-chained alkyl substituents. D2 also does not suggest a possible use with pesticides. EP 417 896 A1 (D3) discloses alkoxylated polyethylene polyamines with, optionally, 1-3 C1-C4 alkyl substituents at the N atom, but does not provide an example of such a substitution. Furthermore, the polyamine surfactants do not have any propylene groups like the compounds used





according to the invention and must be used with partially esterified polyalcohols such as sorbitan.

WO 96/32839 A2 (D5) discloses ether(mono)amine surfactants for glyphosate formulations.

The subject matter of claims 1 to 15 is therefore novel and involves an inventive step (PCT Article 33(2) and (3)).

The invention is clearly industrially applicable (PCT Article 33(4)).